



PATENT

Attorney Docket No. 0180.0036

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Appl. No. 10/521,714

Filed: January 19, 2005

**Title: Superlattice Nanopatterning
of Wires and Complex Patterns**

Applicant: Heath, et al.

Group Art Unit: n/a

Examiner: n/a

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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Sir:

In recognition of the continuing duty to disclose all relevant and material information of which they are aware, applicants direct the Examiner's attention to the attached PTO Form SB/08A. Copies of all non - US Patent citations are enclosed.

Dated: August 10, 2005

Respectfully submitted,

/David J. Oldenkamp/

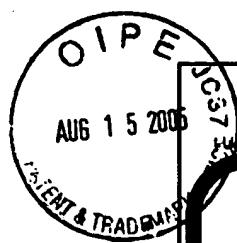
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 1 of 3

Application Number	10/521,714
Filing Date	January 19, 2005
First Named Inventor	James R. Heath
Art Unit	n/a
Examiner Name	n/a
Attorney Docket Number	0180.0036

U.S. PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS

Examiner Signature		Date Considered	
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OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ²
	1	Battiston, F.M., J.P. Ramseyer, et al. (2001). "Chemical sensor based on a microfabricated cantilever array with simultaneous resonance-frequency and bending readout" Sensors and Actuators B-Chemical 77(1-2): 122-131.	
	2	Cleland, A.N. and M.L. Roukes (1996). "Fabrication of High Frequency Nanometer Scale Mechanical Resonators from Bulk Si Crystals." Applied Physics Letters 69(18): 2653-2655.	
	3	Collier, C.P., J.O. Jeppesen, et al. (2001). "Molecular-based electronically switchable tunnel junction devices." Journal of the American Chemical Society 123(50): 12632-12641.	
	4	Cui, Y., Q.Q. Wei, et al. (2001). "Nanowire nanosensors for highly sensitive and selective detection of biological and chemical species." Science 293(5533): 1289-1292.	
	5	Erbe, A. and R.H. Blick (1999). "Nanomechanical resonators operating at radio frequencies." Physica B 272(1-4): 575-577.	
	6	Guo, L.J., P.R. Krauss, et al. (1997). "Nanoscale silicon field effect transistors fabricated using imprint lithography." Applied Physics Letters 71(13): 1881-1883.	
	7	Kong, J., N.R. Franklin, et al. (2000). "Nanotube molecular wires as chemical sensors." Science V287(N5453):622-625.	
	8	Kong, J., M.G. Chapline, et al. (2001). "Functionalized carbon nanotubes for molecular hydrogen sensors." Advanced Materials V13(N18): 1384-1386.	
	9	Lang, H.P., R. Berger, et al. (1998). "A chemical sensor based on a micromechanical cantilever array for the identification of gases and vapors." Applied Physics a-Materials Science & Processing 66 (PT1 SUPPS): S61-S64.	
	10	Mohanty, P., D.A. Harrington, et al. (2000). "Measurement of small forces in micron-sized resonators." Physica B 284(PT2): 2143-2144.	

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	11	Chou, Stephen Y., et al. (1996). "Imprint Lithography With 25-Nanometer Resolution" Science, Vol. 272, pp. 85-87, 5 April 1996.	
	12	Melosh, N.A., et al. (2003). "Ultrahigh-Density Nanowire Latices and Circuits" Science, Vol. 300, pp. 112-115, 4 April 2003.	

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